



PATENT ATTORNEY DOCKET NO. 50304/112001

Certificate of Mailing: Date of Deposit: September 29, 2006

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Christine E. Fort

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jean-Marie SAINT-REMY et al. Confirmation No.: 9175

Serial No.: 10/566,851 Art Unit: 1645

Filed: February 1, 2006 Examiner: Not Yet Assigned

Customer No.: 21559

Title: VARIABLE ANTIBODIES

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

PETITION TO CORRECT FILING RECEIPT

Applicant requests that the enclosed filing receipt be corrected as follows.

Applicant(s)

In the Applicant(s) section, please make the following change:

Change the spelling of inventor name "Marc Jacqumin" to "Marc Jacquemin."

Enclosed are copies of the incorrect filing receipt and the national phase transmittal, the application data sheet, and the first page of International Publication No. WO 2005/016455 A2 as filed on February 1, 2006.

If there are any charges or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: 29- Sep-2006

James D. DeCamp Reg. No. 43,580

Clark & Elbing LLP 101 Federal Street Boston, MA 02110

Telephone: 617-428-0200 Facsimile: 617-428-7045



UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS PO. Box 1450 Alexandria, Virginia 22313-1450 overw.uspto.gov

FILING OR 371 ART UNIT FIL FEE REC'D ATTY.DOCKET NO DRAWINGS TOT CLMS IND CLMS APPL NO. (c) DATE 24 2 10/566,851 02/01/2006 1645 675 50304112001 14

DE-DOCKETED

CONFIRMATION NO. 9175

FILING RECEIPT

OC000000020540651

Date Mailed: 09/22/2006

101 FEDERAL STREET BOSTON, MA 02110

CLARK & ELBING LLP

21559

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Jean-Marie Saint-Remy, Grez-Doiceau, BELGIUM;

Mare-Jacqumin, Sart-Bernard, BELGIUM;

*Marc-Jacquaem;

*Acquaem;

*Acqu

Assignment For Published Patent Application

D. COLLEN RESEARCH FOUNDATION VZW, Leuven, BELGIUM

Power of Attorney: The patent practitioners associated with Customer Number 21559.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/BE04/00118 08/16/2004

Foreign Applications

UNITED KINGDOM 0319118.6 08/14/2003 UNITED KINGDOM 0319345.5 08/18/2003

If Required, Foreign Filing License Granted: 09/21/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/566,851

Projected Publication Date: 12/28/2006

Non-Publication Request: No

Early Publication Request: No

** SMALL ENTITY **

Title

Variable antibodies

Preliminary Class

435

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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OCT 0 2 2006

≅ The following fees are submitted:

2	<i>b</i>										
NO.	of Deposit_February 1, 2006		Certificate of	•							
I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.											
Elvis DeLaCruz											
	Printed name of person mailing correspondence Signature of person mailing correspondence										
Subst	Substitute Form PTO 1390 U.S. Department of Commerce Patent and Trademark Office Attorney Docket Number:										
	TRANSMITTAL LETTER TO THE UNITED STATES 50304/112001										
	DESIGNATED/ELECTED OFFICE (DO/EO/US) U.S. Application Number:										
CONCERNING A FILING UNDER 35 U.S.C. § 371 Not Yet Assigned											
INTE	RNATIONAL APPLICATION N	UMBER	INTERNATIONAL	FILING DATE	PRIORITY DATE CLAIMED						
PCT/BE2004/000118			August 16, 2004		August 14, 2003						
TITLE	OF INVENTION:	VARIABL	E ANTIBODIES	TIBODIES							
APPL	PPLICANTS FOR DO/EO/US: Jean-Marie SAINT-REMY and Marc JACQUEMIN										
Applio	olicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:										
1.	■ This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.										
2.	□ This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. § 371.										
3.	■ This is an express request to begin national examination procedures (35 U.S.C. § 371(f)).										
4.	☑ The U.S. has been elected.										
5.	A copy of the International Application (35 U.S.C. § 371(c)(2)). a. is transmitted herewith (required only if not transmitted by the International Bureau). b. has been transmitted by the International Bureau. c. Is not required, as the application was filed with the United States Receiving Office (RO/US).										
6.	An English language translation of the International Application into English (35 U.S.C. § 371(c)(2)).										
	□ a. is transmitted herewith. □ b. has been previously submitted under 35 U.S.C. 154(d)(4).										
7.	Amendments to the daims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)).										
	□ a. are transmitted herewith (required only if not transmitted by the International Bureau). □ b. have been transmitted by the International Bureau. □ c. have not been made; however, the time limit for making such amendments has NOT expired. ■ d. have not been made and will not be made.										
8.	□ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. § 371(c)(3)).										
9.	≅ An oath or declaration of the inventors (35 U.S.C. § 371(c)(4)).										
10.	□ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371 (c)(5).										
11.	⊗ An Information Disclosure Statement under 37 C.F.R. §§ 1.97 and 1.98.										
12.	☐ An assignment for recording. A separate cover sheet in compliance with 37 C.F.R. §§ 3.28 and 3.31 is included.										
13.	■ A preliminary amendment.										
14.	□ A substitute specification.										
15.	A power of attorney and/or change of address letter.										
16.	□ Request for Deferred Examination.										
17.	Application Data Sheet.										
18.	© Other items or information: WO 2005/016455 A2 (122pp.); Form PCT/IB/311 (1p.); PCT Request (11pp.); Form PCT/IPEA/401 (4pp.) Sequence Listing (17pp.); Sequence Statement (2pp.); Sequence Diskate (1 disc)										

Rasic National 9	Stage F	ee. \$300					\$ 300.00	
Basic National Stage Fee: \$300 National Stage Search Fee							\$ 500.00	
If the written opi examination rep PCT Article 33(1	nion pre	epared by pared by I	\$ 500.00					
Search fee (37 (application to the	C.F.R. §	§ 1.445(a)						
International Sethe Office or pre								
All other situations: \$500								
National Stage Examination Fee							\$ 200.00	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4): \$0								
All other situatio	ns: \$20	00						
Surcharge of \$130 for fumishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 C.F.R. § 1.492(h)).							\$	
CLAIMS		NUMBE	R FILED	NUMBER EXTRA	RAT	E		
Total claims		24 - 20 =		4	x \$50		\$ 200.00	
Independent cla	ims	2 - 3 =		0	x \$2	.00	\$0	
Multiple depend	ent dai	ms (if app	licable)		+ \$30	60	\$0	
Application Size Fee: Additional fee for specification and drawings in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					an			
TOTAL SHEETS	EXTR		Number of each additional 50 sheets or fraction thereof (round up to a whole number)			ATE		
122-100=		22/50=			1	X\$250	\$ 250.00	
			T	OTAL OF ABOVE CAL	-CULA	TIONS =	\$ 1,450.00	
Reduction of 1/2 for filing by small entity, if applicable. Applicant claims small entity status under 37 C.F.R. § 1.27.							\$ 725.00	
SUBTOTAL =							\$ 725.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 C.F.R. § 1.492(f)). +						\$		
TOTAL NATIONAL FEE =						\$ 725.00		
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. §§ 3.28, 3.31). \$40.00 per property.						\$		
TOTAL FEES ENCLOSED =						\$ 725.00		
						Amount to be refunded	\$ 	
							charged	\$
🛮 a. Enclosed is	a chec	k for \$ 72	5.00 to cove	er the total fees.				

- □ b. Enclosed is a check for [**\$300/\$150**] to cover the basic national stage fee; no other fees are being paid at this time.
 □ c. Please charge my Deposit Account No. 03-2095 in the amount of \$[**] to cover the above fees.
 ☑ d. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 03-2095.

NOTE: Where an appropriate time limit under 37 C.F.R. §§ 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. § 1.137(a) or (b) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

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Signature James D. DeCamp, Ph.D. Reg, Nd. 43,580



Application Data Sheet

Application Information	
Application number::	
Filing Date::	February 1, 2006
Application Type::	Regular
Subject Matter::	Utility
Suggested Classification::	
Suggested Group Art Unit::	
CD-ROM or CD-R?::	Listing
Number of CD disks::	1
Number of copies of CDs::	1
Sequence submission?::	CD
Computer Readable Form (CRF)?::	Yes
Number of copies of CRF::	1
Title::	VARIABLE ANTIBODIES
Attorney Docket Number::	50304/112001
Request of Early Publication?::	No
Request of Non-Publication?::	No
Suggested Drawing Figure::	8
Total Drawing Sheets::	14
Small Entity?::	Yes
Petition Included?::	No
Petition Type::	

Licensed US Govt. Agency::

Contract or Grant Numbers::

Secrecy Order in Parent Appl.?:: No

Applicant Information

Applicant Authority Type:: Inventor

Primary Citizenship Country:: Belgium

Status:: Full Capacity

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Middle Name::

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Correspondence Customer Number:: 21559

Representative Information

Representative Customer Number:: 21559

Applicant Authority Type:: Inventor

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State or Province of mailing address::

Country of mailing address::

Belgium

Postal or Zip Code of mailing address:: B-5330

Correspondence Information

Correspondence Customer Number::

21559

Representative Information

Representative Customer Number::

21559

Domestic Priority Information

Application::

Continuity Type::

Parent Application:: Parent Filing Date::

This Application

National stage of

PCT/BE2004/000118 August 16, 2004

Foreign Priority Information

Country::

Application Number::

Filing Date::

Priority Claimed::

Page 3

Initial, February 1, 2006

GB 0319118.6 August 14, 2003 YES GB 0319345.5 August 18, 2003 YES

Assignee Information

Assignee name::

Street of mailing address::

City of mailing address::

State of Province of mailing address::

Country of mailing address::

Postal or Zip Code of mailing address::

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 24 February 2005 (24.02.2005)

PCT

(10) International Publication Number WO 2005/016455 A2

(51) International Patent Classification⁷: A61K 39/395, C07K 16/36

A61P 07/02,

(21) International Application Number:

PCT/BE2004/000118

(22) International Filing Date: 16 August 2004 (16.08.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0319118.6

14 August 2003 (14.08.2003) GB

0319345.5

18 August 2003 (18.08.2003) GB

- (71) Applicant (for all designated States except US): D. COLLEN RESEARCH FOUNDATION VZW [BE/BE]; Onderwijs & Navorsing, Campus Gasthuisberg, Herestraat 49, B-3000 Leuven (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SAINT-REMY, Jean-Marie [BE/BE]; Rue du Lambais 79, B-1390 Grez-Doiceau (BE). JACQUEMIN, Marc [BE/BE]; Rue Morimont 45, B-5330 Sart-Bernard (BE).
- (74) Agents: BIRD, William, E. et al.; Bird Goën & Co, Klein Dalenstraat 42 A, B-3020 Winksele (BE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

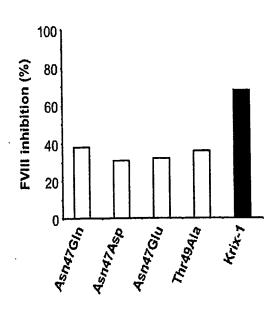
- of inventorship (Rule 4.17(iv)) for US only

Published:

 without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: VARIABLE ANTIBODIES



(57) Abstract: The present invention discloses inhibitory antibodies against Factor VIII with modified glycosylation, either by enzymatic deglycosylation or by site directed mutagenesis. Said antibodies with modified glycosylation have equal affinity for FVIII but show different inhibiting properties. The use of one or a mixture of said antibodies allow modulation of the inhibition of factor VIII to levels between 40 and 95%. The present invention further disclosed pharmaceutical compositions comprising inhibitory antibodies against Factor VIII with modified glycosylation, combinations of these antibodies and methods for treating haemostasis disorders using said antibodies and antibody mixtures.